L Number	Hits	Search Text	DB	Time stamp
1	11675	((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/687) or (438/692) or (438/700)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:00
2	5058	(((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:01
3	0		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
4	735	((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and dish\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
5	501	(((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
6	195	dish\$3) and (copper or cu) ((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/633) or (438/645) or (438/645) or (438/645) or (438/646) or (438/645) or (438/656) or (438/660) or (438/653) or (438/656) or (438/672) or (438/674) or (438/675) or (438/672) or (438/674) or (438/675) or (438/687) or (438/687) or (438/687) or (dish\$3/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and dish\$3) and (copper or cu) and ((copper or cu) same (diffusion near10 (barrier or anti)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:03

	T 25:	1400/605	770 D D FF	2004/07/22
7	174	(((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:11
		(438/633) or (438/637) or (438/643) or	EPO; JPO; DERWENT;	
		(438/645) or (438/646) or (438/648) or		
		(438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or	IBM_TDB	
	İ	(438/674) or (438/675) or (438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or		1
		anti)))) and (damascene or trench)		
9	17	(((((((438/625) or (438/626) or	USPAT;	2004/07/23
"	1	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:05
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.03
		(438/643) or (438/645) or (438/646) or	DERWENT;	1
		(438/648) or (438/653) or (438/656) or	IBM TDB	
	Į.	(438/660) or (438/663) or (438/669) or	1517-155	ŀ
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		]
		(438/700)).CCLS.) and (cmp or (chemical\$2	1	
		adj mechanical\$2 adj polish\$3))) and	1	}
		dish\$3) and (copper or cu)) and ((copper		•
		or cu) same (diffusion near10 (barrier or		}
	1	anti)))) and (damascene or trench)) and		
	1	(polish near10 (stop\$4 or anti))		
10	0		USPAT;	2004/07/23
10		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:05
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.00
	-	(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	12122	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
ŀ		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)) not		
		((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or	1	
		(438/643) or (438/645) or (438/646) or	1	
		(438/648) or (438/653) or (438/656) or	1	,
		(438/660) or (438/663) or (438/669) or	1	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or	1	
ļ		(438/700)).CCLS.) and (cmp or (chemical\$2	1	
1		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper	1	
		or cu) same (diffusion near10 (barrier or		
1 .		anti)))) and (damascene or trench)) and	1	
1		(polish near10 (stop\$4 or anti)))	1	
8	17	1 , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/07/23
1		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:10
1		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
1		(438/648) or (438/653) or (438/656) or	IBM_TDB	
1		(438/660) or (438/663) or (438/669) or		
1		(438/672) or (438/674) or (438/675) or		
1		(438/685) or (438/687) or (438/692) or		1
1		(438/700)).CCLS.) and (cmp or (chemical\$2		
1		adj mechanical\$2 adj polish\$3))) and		
	1	dish\$3) and (copper or cu)) and ((copper		
	1	or cu) same (diffusion near10 (barrier or	1	1
			j .	1
		<pre>anti)))) and (damascene or trench)) and (polish near10 stop\$4)</pre>	1	

11	174	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:11
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	1
		(438/643) or (438/645) or (438/646) or	DERWENT;	[
		(438/648) or (438/653) or (438/656) or	IBM TDB	!
i		(438/660) or (438/663) or (438/669) or		
	ł	(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		[
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and	Í	
		dish\$3) and (copper or cu)) and ((copper	!	
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and	ĺ	
		(passivat\$3 ner (((((((((438/625) or		
		(438/626) or (438/627) or (438/629) or	İ	1
		(438/631) or (438/632) or (438/633) or		
	-	(438/637) or (438/643) or (438/645) or		i l
	1	(438/646) or (438/648) or (438/653) or		
		(438/656) or (438/660) or (438/663) or		
		(438/669) or (438/672) or (438/674) or		
		(438/675) or (438/685) or (438/687) or		
		(438/692) or (438/700)).CCLS.) and (cmp	1	
	}	or (chemical\$2 adj mechanical\$2 adj		
	1	polish\$3))) and dish\$3) and (copper or		1
		cu)) and ((copper or cu) same (diffusion		
		near10 (barrier or anti)))) and		
		(damascene or trench)) and (polish near10		1
		stop\$4)) not ((((((((438/625) or		
		(438/626) or (438/627) or (438/629) or		
1		(438/631) or (438/632) or (438/633) or		
	1	(438/637) or (438/643) or (438/645) or		
		(438/646) or (438/648) or (438/653) or		1
		(438/656) or (438/660) or (438/663) or		i
		(438/669) or (438/672) or (438/674) or		
		(438/675) or (438/685) or (438/687) or		
		(438/692) or (438/700)).CCLS.) and (cmp		l i
İ		or (chemical\$2 adj mechanical\$2 adj		
		polish\$3))) and dish\$3) and (copper or		
		cu)) and ((copper or cu) same (diffusion		
		near10 (barrier or anti)))) and		
		(damascene or trench)) and (polish near10		
		(stop\$4 or anti)))) (copper or cu))		
12	28	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:26
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
1	1	(438/648) or (438/653) or (438/656) or	IBM TDB	
1		(438/660) or (438/663) or (438/669) or		
1		(438/672) or (438/674) or (438/675) or		
1	1	(438/685) or (438/687) or (438/692) or		
	1	(438/700)).CCLS.) and (cmp or (chemical\$2		
	1	adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
	- 8			
	1	or cu) same (diffusion near10 (barrier or		]
1	1	anti)))) and (damascene or trench)) and	1	
L		(passivat\$3 near10 (copper or cu))		

13	27	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:20
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	_	
	•	(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		1
		adj mechanical\$2 adj polish\$3))) and		1
		dish\$3) and (copper or cu)) and ((copper		1
		or cu) same (diffusion near10 (barrier or		1
		anti)))) and (damascene or trench)) and		<b>!</b>
		(passivat\$3 near10 (copper or cu))) not		1
		(((((((((438/625) or (438/626) or		1
		(438/627) or (438/629) or (438/631) or		1
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
i		(438/648) or (438/653) or (438/656) or	•	
		(438/660) or (438/663) or (438/669) or	İ	
į		(438/672) or (438/674) or (438/675) or	]	
ĺ		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		1
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
	_	(polish near10 stop\$4))		0004/07/00
14	3	(	USPAT	2004/07/23
1.5	4.5	("6599827")).PN.		22:20
15	43	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:27
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		1
		(438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or		1
		(438/700)).CCLS.) and (cmp or (chemical\$2		
i		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and	·	
		(cap\$4 near10 (copper or cu))		
		(capt incatio (copper of ca))	I	1

16	38 (((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:42
	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
	(438/643) or (438/645) or (438/646) or	DERWENT;	
	(438/648) or (438/653) or (438/656) or	IBM_TDB	
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
į	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
·	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(cap\$4 near10 (copper or cu))) not		
	((((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
1	(438/632) or (438/633) or (438/637) or		
İ	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(passivat\$3 near10 (copper or cu))) not		
	(((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		ì
	(438/685) or (438/687) or (438/692) or		
}	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
j	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
i	(polish near10 stop\$4)))	1	1

17	28	((((((((((438/625) or (438/626) or	USPAT;	2004/07/23	$\neg$
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:42	- 1
		(438/632) or (438/633) or (438/637) or	EPO; JPO;		- 1
		(438/643) or (438/645) or (438/646) or	DERWENT;		İ
		(438/648) or (438/653) or (438/656) or	IBM_TDB		
		(438/660) or (438/663) or (438/669) or	_		
		(438/672) or (438/674) or (438/675) or	Ì		- 1
		(438/685) or (438/687) or (438/692) or	1	1	
		(438/700)).CCLS.) and (cmp or (chemical\$2			
		adj mechanical\$2 adj polish\$3))) and	•	1	
		dish\$3) and (copper or cu)) and ((copper	ļ		
		or cu) same (diffusion near10 (barrier or			
		anti)))) and (damascene or trench)) and		1	
		(cap\$4 near10 (copper or cu))) not			
		(((((((((438/625) or (438/626) or			l
		(438/627) or (438/629) or (438/631) or			
		(438/632) or (438/633) or (438/637) or			
		(438/643) or (438/645) or (438/646) or		1	
		(438/648) or (438/653) or (438/656) or		1	
		(438/660) or (438/663) or (438/669) or			
	!	(438/672) or (438/674) or (438/675) or			
	i	(438/685) or (438/687) or (438/692) or			
	1	(438/700)).CCLS.) and (cmp or (chemical\$2			
		adj mechanical\$2 adj polish\$3))) and			
		dish\$3) and (copper or cu)) and ((copper			
		or cu) same (diffusion near10 (barrier or			
		anti)))) and (damascene or trench)) and			
		(passivat\$3 near10 (copper or cu))) not			- 1
		(((((((((438/625) or (438/626) or			- 1
		(438/627) or (438/629) or (438/631) or			
		(438/632) or (438/633) or (438/637) or		Į.	- 1
		(438/643) or (438/645) or (438/646) or	1		
		(438/648) or (438/653) or (438/656) or	j		
		(438/660) or (438/663) or (438/669) or			
		(438/672) or (438/674) or (438/675) or		1	
		(438/685) or (438/687) or (438/692) or	-		
		(438/700)).CCLS.) and (cmp or (chemical\$2			
		adj mechanical\$2 adj polish\$3))) and			
		dish\$3) and (copper or cu)) and ((copper			
		or cu) same (diffusion near10 (barrier or	!		
		anti)))) and (damascene or trench)) and (polish near10 stop\$4)))) and plasma			
ī		i iborran nearto acopatilii and blasma	I .	1	

18	12 ((((((((438/625) or (438/62	(6) or USPAT;	2004/07/23
	(438/627) or (438/629) or (43	88/631) or US-PGPUB;	; 22:45
	(438/632) or (438/633) or (43	88/637) or   EPO; JPO;	;
	(438/643) or (438/645) or (43	8/646) or DERWENT;	
	(438/648) or (438/653) or (43	8/656) or IBM_TDB	1
	(438/660) or (438/663) or (43	8/669) or	
	(438/672) or (438/674) or (43	8/675) or	
	(438/685) or (438/687) or (43	8/692) or	
	(438/700)).CCLS.) and (cmp or	(chemical\$2	
	adj mechanical\$2 adj polish\$3	))) and	
	dish\$3) and (copper or cu)) a	nd ((copper	
	or cu) same (diffusion near10		
	anti)))) and (damascene or tr	ench)) and	
	(cap\$4 near10 (copper or cu))		
	(((((((((438/625) or (438/62	•	
	(438/627) or (438/629) or (43		
	(438/632) or (438/633) or (43	•	
	(438/643) or (438/645) or (43		
	(438/648) or (438/653) or (43		
	(438/660) or (438/663) or (43		
	(438/672) or (438/674) or (43		
	(438/685) or (438/687) or (43		
	(438/700)).CCLS.) and (cmp or		
	adj mechanical\$2 adj polish\$3		
	dish\$3) and (copper or cu)) a		
	or cu) same (diffusion near10		
	anti)))) and (damascene or tr		
	(passivat\$3 near10 (copper or	, , ,	
	((((((((438/625) or (438/626	•	
	(438/627) or (438/629) or (43		
	(438/632) or (438/633) or (43		
	(438/643) or (438/645) or (43		
	(438/648) or (438/653) or (43		
	(438/660) or (438/663) or (43		
	(438/672) or (438/674) or (43		
	(438/685) or (438/687) or (43		
	(438/700)).CCLS.) and (cmp or		j
	adj mechanical\$2 adj polish\$3		
	dish\$3) and (copper or cu)) a		
	or cu) same (diffusion near10	•	
ĺ	anti)))) and (damascene or tr		
	(polish near10 stop\$4)))) and	. (plasma	
	same treat\$4)		1

19	12	((((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
ļ		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:45
•		(438/632). or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
i		(438/648) or (438/653) or (438/656) or	IBM TDB	
ł		(438/660) or (438/663) or (438/669) or	_	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
1		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
j		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
Ì		(438/643) or (438/645) or (438/646) or		1
		(438/648) or (438/653) or (438/656) or		
Ì		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		1
		(438/685) or (438/687) or (438/692) or		1
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		1
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		1
		((((((((438/625) or (438/626) or		
1		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		1 1
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		1
		(438/700)).CCLS.) and (cmp or (chemical\$2		į l
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		
		same treat\$4)) and clean\$3		1

21	0	((((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	İ
		(438/660) or (438/663) or (438/669) or	_	
		(438/672) or (438/674) or (438/675) or		İ
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
1		dish\$3) and (copper or cu)) and ((copper		İ
1		or cu) same (diffusion near10 (barrier or		j
i				1
		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))) not		
		((((((((((438/625) or (438/626) or (438/627)		
		(438/627) or (438/629) or (438/631) or		
-		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		1
		(438/648) or (438/653) or (438/656) or		1
		(438/660) or (438/663) or (438/669) or		
j		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
	•	dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		1
		anti)))) and (damascene or trench)) and		ļ
		(passivat\$3 near10 (copper or cu))) not		1
		((((((((438/625) or (438/626) or		1
		(438/627) or (438/629) or (438/631) or		1
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
1		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
[		(438/700)).CCLS.) and (cmp or (chemical\$2)		
	1	adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
}		anti)))) and (damascene or trench)) and		
	1	(polish near10 stop\$4)))) and (plasma		
		same treat\$4)) and clean\$3) and anneal\$3)		
		and (nitric adj acid)		1

		111111111111111111111111111111111111111	HODEM:	2004/07/22
20	10	(((((((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
'		(cap\$4 near10 (copper or cu))) not		
•		((((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
İ		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2)		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		'
i		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		Ĭ.
22	CO1	same treat\$4)) and clean\$3) and anneal\$3	I IISDAT.	2004/07/23
22	601	(((((438/625) or (438/626) or (438/627)   or (438/629) or (438/631) or (438/632) or	USPAT; US-PGPUB;	23:11
		(438/629) or (438/631) or (438/643) or (438/643) or	EPO; JPO;	20.11
l		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM TDB	
		(438/663) or (438/669) or (438/672) or		
į		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
	,	dish\$3) and (damascene or trench)		
23	454	((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:13
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (damascene or trench)) and		
		((remov\$3 or polish\$3 or planariz\$3)		
		near5 (insulat\$3 or dielectric))		

24 10	(((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/07/23 23:13
	(438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and	IBM_TDB	
	<pre>dish\$3) and (damascene or trench)) and  ((remov\$3 or polish\$3 or planariz\$3) near5 (insulat\$3 or dielectric))) and  ((taper\$3 or round\$3) near5 (insulat\$3 or     dielectric))</pre>		